

## FINAL REPORT

Report ID : 352987

### Report Information

**Submitting Organisation :** 00109376 : HANSEN PRODUCTS (NZ) LIMITED

**Account :** 130354 : Hansen Products (NZ) Limited - AS/NZS 4020 Testing

**AWQC Reference :** 130354-2022-CSR-4 : Prod Test: Rain Relief Valve - Slo Flo

**Project Reference :** PT-5031

**Product Designation :** Rain Relief Valve - Slo-Flo

**Composition of Product :** Plastic - see attachments.

**Product Manufacturer :** Hansen Products (NZ) Limited, Union East St, Whangarei, NEW ZEALAND.

**Use of Product :** In-Line/Diaphragm Valve.

**Sample Selection:** As provided by the submitting organisation.

**Testing Requested :** **AS/NZS 4020:2018 TESTING OF PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER**

**Product Type :** Composite

**Samples :** Samples were prepared and controlled as described in Appendix A of AS/NZS 4020:2018 (Incorporating Amendment No.1)

**Extracts :** Extracts were prepared as described in Appendix/Clause C, D, E, F, G, H, 6.8.

**Project Completion Date :** 29-Dec-2022

**Project Comment :** Sample received 16-Sep-2022, testing commenced on the 16-Sep-2022. Product range to include RapidFlo and Slo-Flo.

PLEASE NOTE THAT THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL

THE RESULTS STATED IN THIS REPORT RELATE TO THE SAMPLE OF THE PRODUCT SUBMITTED FOR TESTING TO AS/NZS 4020:2018. ANY CHANGES IN THE MATERIAL FORMULATION, PROCESS OF MANUFACTURE, THE METHOD OF APPLICATION, OR THE SURFACE AREA-TO-VOLUME RATIO IN THE END USE, COULD AFFECT THE SUITABILITY OF THE PRODUCT FOR USE IN CONTACT WITH DRINKING WATER

#### Notes

1. Uncertainty of Measurement is reported with a coverage factor of 2 providing approximately 95% confidence interval
2. Where a result is required to meet compliance limits the associated measurement uncertainty must be considered. Measurement uncertainty is available at <https://www.awqc.com.au/our-services/Water-quality-testing-and-analysis/measurement-uncertainty>

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## Summary of Results

APPENDIX/CLAUSE	RESULTS
C – Taste	Passed when tested at the end-use exposure (assembly in contact with a minimum volume of 5000 mL).
D – Appearance	Passed when tested at the end-use exposure (assembly in contact with a minimum volume of 5000 mL).
E – Growth of Aquatic Micro-organisms	Passed at the end-use exposure.
F – Cytotoxic Activity	Passed when tested at the end-use exposure (assembly in contact with a minimum volume of 5000 mL).
G – Mutagenic Activity	Passed when tested at the end-use exposure (assembly in contact with a minimum volume of 5000 mL).
H – Metals	Passed when tested at the end-use exposure (assembly in contact with a minimum volume of 5000 mL).
6.8 – Organic Compounds	Passed when tested at the end-use exposure (assembly in contact with a minimum volume of 5000 mL).

## Test Methods

Test(s) in Appendix	AWQC Test Method	NATA Accredited
C	T0320-01	Y
D	TO029-01 & TO018-01	Y
E	TO014-03	Y
F	TM-001	Y
G	TM-002	Y
H	TIC-006	Y

## Organic Test Methods

Test(s) in Clause	Test Method	NATA Accredited
Clause 6.8	TMZ-M36	Y
	EP239	Y
	EP132-LL	Y
	EP075C	Y
	EP075ASIM	Y

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### Laboratory Information

Laboratory	NATA accreditation ID
Product Testing	1115
Australian Laboratory Services Pty Ltd - New South Wales	825,992
Inorganic Chemistry - Physical	1115
Protozoology	1115
Organic Chemistry	1115
Inorganic Chemistry - Metals	1115
Inorganic Chemistry - Waste Water	1115
Analytical Quality Control	

Summary Comment : Not applicable.

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